

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P639807

Luminaire Tested: GWS-SA5C-750-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639807  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5C-750-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

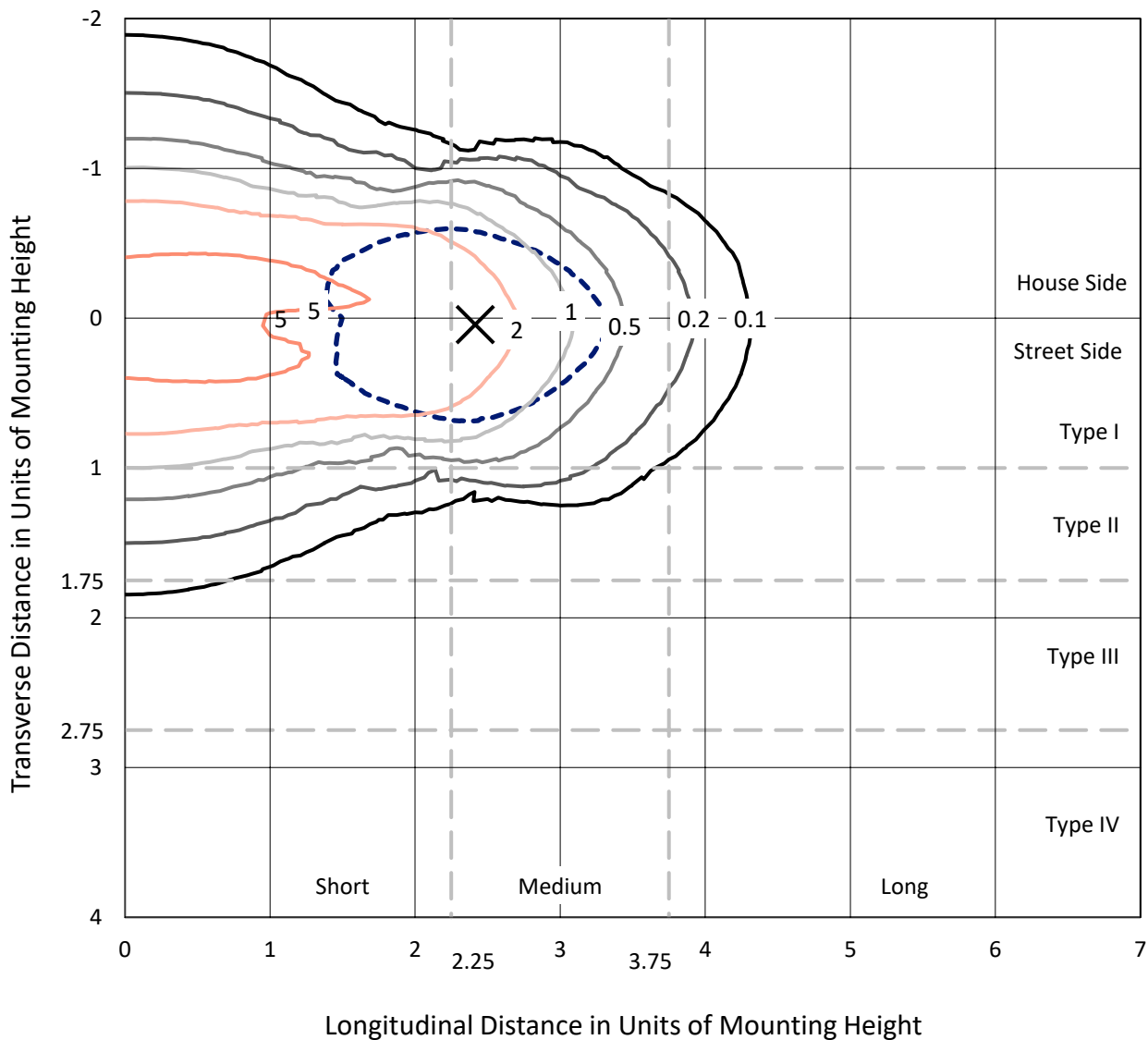
Lumens per Lamp: N/A  
Luminaire Lumens: 24313.6 lumens  
Efficiency: N/A  
Efficacy: 154.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 157.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

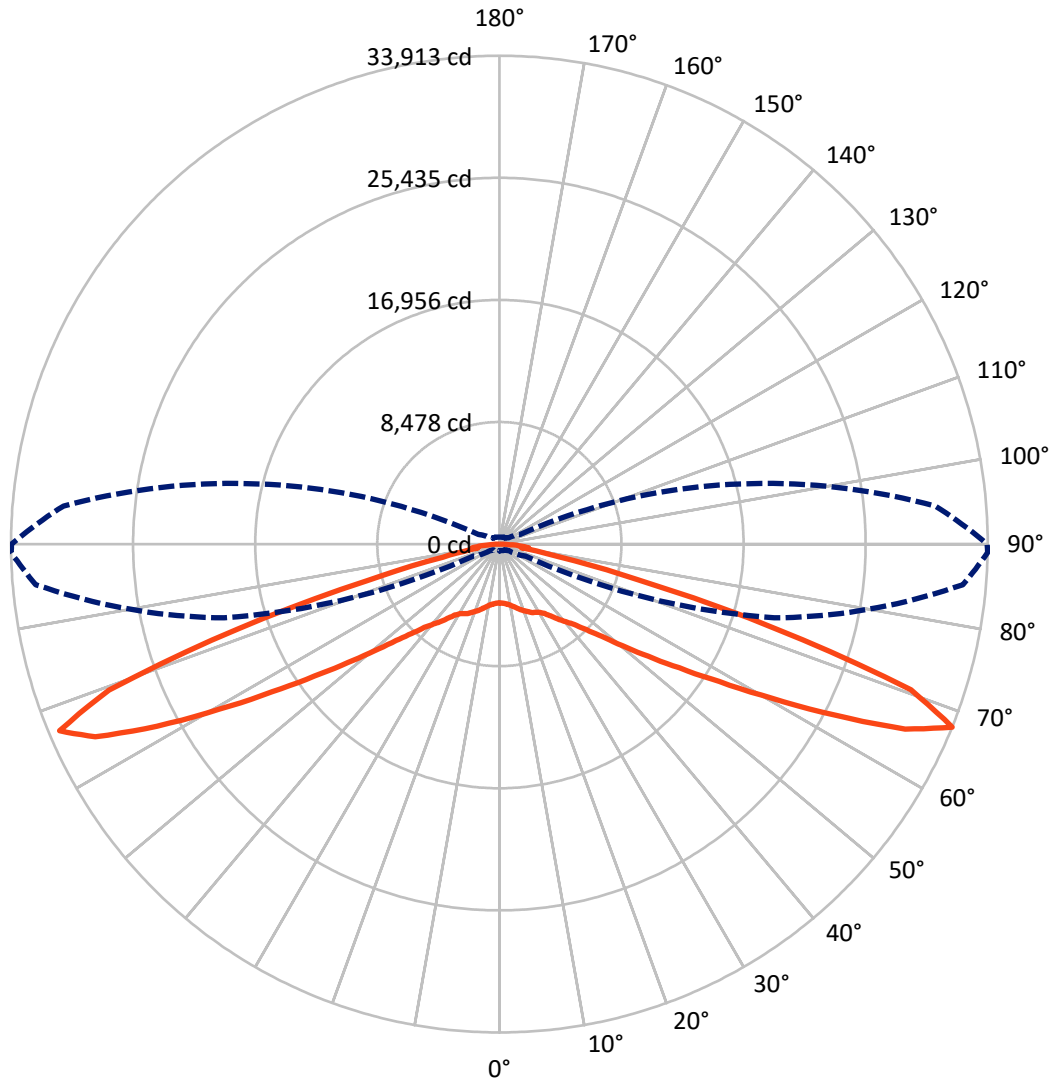
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
 Type I - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12050.3	0.0	12050.3
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	12263.3	0.0	12263.3
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	24313.6	0.0	24313.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	409.3	1.7
10°-20°	1332.9	5.5
20°-30°	2253.2	9.3
30°-40°	3092.2	12.7
40°-50°	3943.2	16.2
50°-60°	4947.4	20.3
60°-70°	5966.9	24.5
70°-80°	2158.6	8.9
80°-90°	209.9	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	24313.6	100.0
0°-180°	24313.6	100.0

**Coefficient of Utilization**



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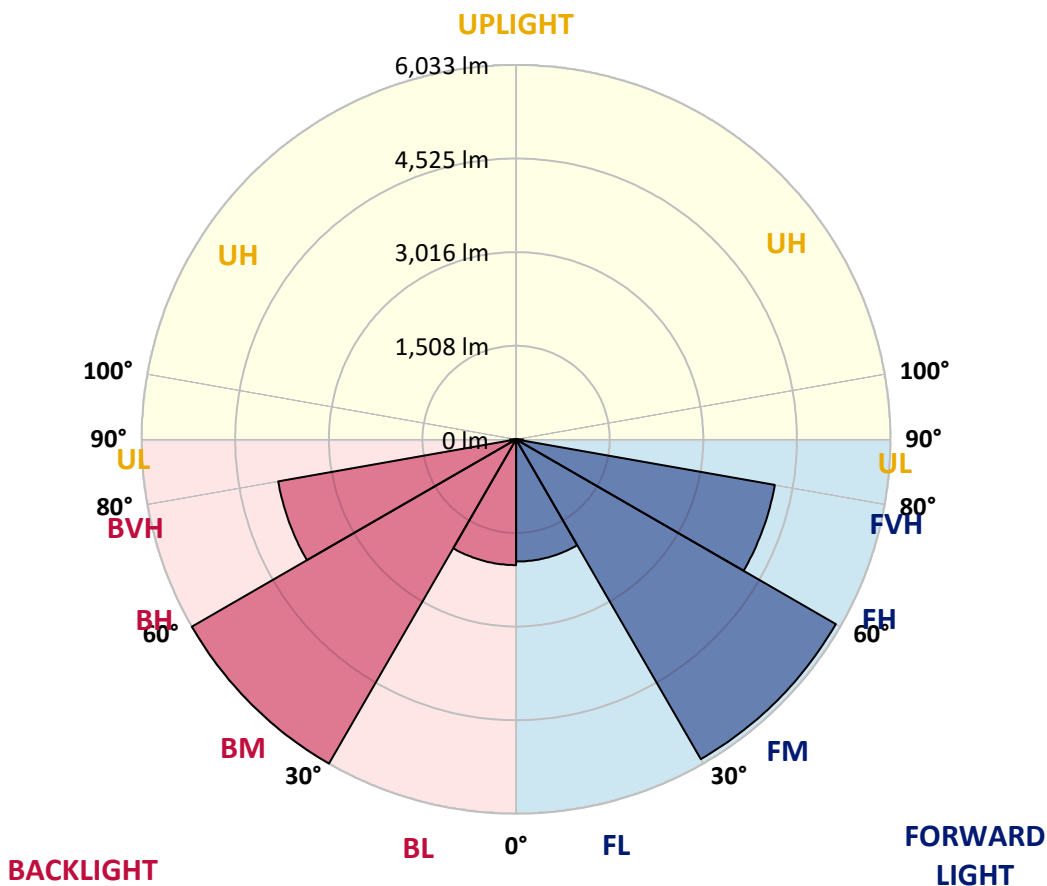
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1969.2	8.1			
FM (30°-60°)	5950.0	24.5			
FH (60°-80°)	4233.4	17.4			G2/5000
FVH (80°-90°)	110.8	0.5			G2/225
BL (0°-30°)	2026.2	8.3	B3/2500		
BM (30°-60°)	6032.7	24.8	B4/8500		
BH (60°-80°)	3892.2	16.0	B4/5000		G4/5000
BVH (80°-90°)	99.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	4080.8	4080.8	4080.8	4080.8	4080.8	4080.8	4080.8	4080.8	4080.8	4080.8	4080.8
2.5°	4093.1	4089.6	4080.8	4107.0	4101.8	4103.5	4114.0	4107.0	4094.8	4073.9	4103.5
5°	4208.3	4206.6	4187.4	4203.1	4185.6	4173.4	4171.6	4154.2	4140.2	4117.5	4148.9
7.5°	4320.1	4318.3	4302.6	4330.5	4316.6	4302.6	4286.9	4252.0	4218.8	4185.6	4220.5
10°	4405.6	4403.9	4400.4	4440.6	4444.0	4449.3	4442.3	4382.9	4325.3	4285.1	4320.1
12.5°	4454.5	4459.8	4468.5	4541.8	4578.5	4613.4	4622.2	4573.3	4477.2	4419.6	4461.5
15°	4421.3	4431.8	4475.5	4608.2	4709.5	4788.0	4821.2	4781.1	4657.1	4561.0	4608.2
17.5°	4262.4	4271.2	4356.7	4559.3	4782.8	4964.4	5018.5	4994.1	4856.1	4739.2	4784.6
20°	4042.4	4061.6	4154.2	4437.1	4770.6	5086.6	5231.6	5222.8	5072.7	4892.8	4947.0
22.5°	3843.4	3866.1	3963.8	4276.4	4688.5	5118.1	5446.4	5469.1	5270.0	5046.5	5090.1
25°	3619.8	3640.8	3766.5	4086.1	4547.1	5093.6	5629.7	5732.7	5493.5	5222.8	5263.0
27.5°	3391.1	3406.8	3530.8	3871.3	4362.0	5048.2	5774.6	6022.6	5713.5	5345.1	5373.0
30°	3190.3	3211.2	3324.7	3656.5	4159.4	4957.4	5893.4	6331.7	5966.7	5483.0	5505.7
32.5°	2996.5	3013.9	3137.9	3445.2	3944.6	4817.7	5999.9	6694.9	6342.2	5739.7	5739.7
35°	2752.0	2783.4	2923.1	3242.7	3742.1	4632.6	6076.7	7117.5	6855.5	6118.6	6120.4
37.5°	2526.7	2544.2	2690.9	3013.9	3529.0	4423.1	6083.7	7555.8	7505.1	6600.6	6604.1
40°	2270.0	2292.7	2449.9	2769.5	3284.6	4203.1	6017.4	7964.4	8186.1	7096.5	7077.3
42.5°	2009.9	2043.0	2193.2	2505.8	3020.9	3934.2	5841.0	8353.8	9050.5	7671.0	7623.9
45°	1758.4	1779.4	1929.5	2224.6	2718.8	3612.9	5558.1	8727.4	10077.3	8544.1	8476.0
47.5°	1475.5	1484.3	1639.7	1922.6	2406.2	3254.9	5153.0	9061.0	11205.3	9700.1	9583.1
50°	1224.1	1236.3	1358.5	1601.3	2023.8	2830.6	4648.4	9256.5	12642.4	11276.9	11074.3
52.5°	990.1	1002.3	1100.1	1293.9	1672.8	2346.9	4023.2	9211.1	14100.5	13234.4	12939.3
55°	799.8	808.5	874.8	1026.8	1316.6	1866.7	3284.6	8804.3	15719.2	15790.8	15155.2
57.5°	675.8	679.3	724.7	817.2	1028.5	1438.9	2535.5	7843.9	17416.5	19052.7	18008.4
60°	604.2	605.9	626.9	684.5	812.0	1098.4	1857.9	6314.2	19174.9	23133.5	21701.6
62.5°	558.8	558.8	576.2	609.4	674.0	845.2	1365.5	4534.9	20437.4	27574.1	26150.9
65°	515.1	515.1	527.3	555.3	590.2	689.7	1025.0	2924.9	21057.3	31286.5	30970.4
67.5°	459.2	461.0	469.7	499.4	530.8	576.2	777.1	1978.4	19770.3	32313.2	33912.7
70°	406.9	408.6	420.8	440.0	466.2	497.7	607.7	1363.8	14390.3	26912.3	30322.6
72.5°	349.2	356.2	365.0	385.9	401.6	424.3	495.9	883.6	8373.0	17311.7	20044.5
75°	286.4	295.1	305.6	326.5	337.0	345.7	408.6	630.4	4028.5	8772.8	9989.9
77.5°	221.8	230.5	242.7	261.9	268.9	279.4	312.6	455.8	1929.5	3888.8	4192.6
80°	148.4	151.9	162.4	185.1	197.3	204.3	230.5	310.8	838.2	1561.1	1547.1
82.5°	90.8	92.5	96.0	110.0	115.2	122.2	150.2	190.3	399.9	1774.1	2034.3
85°	33.2	31.4	29.7	38.4	45.4	52.4	69.8	96.0	174.6	1218.8	1363.8
87.5°	0.0	0.0	0.0	1.7	3.5	3.5	7.0	14.0	41.9	455.8	312.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4080.8	4080.8	4080.8	4080.8	4080.8	4080.8	4080.8	4080.8	4080.8	4080.8	4080.8
2.5°	4094.8	4075.6	4100.0	4117.5	4155.9	4169.9	4173.4	4161.2	4161.2	4140.2	4143.7
5°	4142.0	4129.7	4169.9	4199.6	4255.5	4276.4	4290.4	4281.7	4286.9	4272.9	4276.4
7.5°	4213.6	4203.1	4272.9	4330.5	4388.2	4412.6	4424.8	4417.9	4419.6	4402.1	4407.4
10°	4313.1	4316.6	4400.4	4475.5	4552.3	4576.8	4582.0	4561.0	4543.6	4512.2	4513.9
12.5°	4449.3	4466.7	4585.5	4669.3	4747.9	4782.8	4744.4	4667.6	4596.0	4541.8	4534.9
15°	4597.7	4629.1	4800.3	4906.8	4992.4	4974.9	4861.4	4688.5	4547.1	4466.7	4451.0
17.5°	4775.8	4823.0	5037.8	5165.2	5238.6	5126.8	4889.3	4630.9	4433.6	4325.3	4304.4
20°	4943.5	5018.5	5289.2	5455.1	5463.8	5212.4	4877.1	4513.9	4265.9	4133.2	4105.3
22.5°	5097.1	5193.2	5552.9	5764.2	5650.7	5250.8	4802.0	4348.0	4063.4	3908.0	3883.5
25°	5264.8	5401.0	5860.2	6057.5	5837.5	5235.1	4644.9	4142.0	3818.9	3660.0	3642.5
27.5°	5380.0	5551.1	6169.3	6357.9	5991.2	5146.0	4442.3	3916.7	3595.4	3445.2	3420.8
30°	5512.7	5731.0	6509.8	6684.4	6085.5	5015.1	4225.8	3707.2	3387.6	3225.2	3207.7
32.5°	5753.7	6027.8	6932.4	7030.2	6115.2	4852.7	4018.0	3504.6	3171.1	3008.7	2984.2
35°	6141.3	6462.6	7526.1	7416.1	6092.5	4674.5	3820.7	3267.1	2949.3	2797.4	2772.9
37.5°	6630.3	7030.2	8187.9	7763.6	6029.6	4479.0	3586.7	3068.1	2750.2	2596.6	2582.6
40°	7086.0	7578.5	8930.0	8063.9	5902.1	4238.0	3361.4	2860.3	2535.5	2373.1	2341.6
42.5°	7657.0	8311.9	9789.1	8324.1	5692.6	3949.9	3108.2	2603.6	2266.6	2119.9	2081.5
45°	8524.9	9338.6	10788.0	8573.8	5380.0	3595.4	2790.4	2291.0	1971.4	1821.3	1791.6
47.5°	9607.5	10622.1	11870.6	8722.2	4905.0	3221.7	2430.7	1961.0	1641.4	1472.0	1458.1
50°	11128.5	12488.7	13031.8	8696.0	4374.2	2778.2	2025.6	1568.1	1300.9	1178.7	1159.5
52.5°	12981.2	14832.1	14287.3	8381.7	3810.2	2273.5	1578.6	1231.1	1032.0	944.7	929.0
55°	15305.3	17638.2	15609.2	7707.7	3097.7	1740.9	1239.8	970.9	834.7	782.3	775.3
57.5°	18183.1	21272.1	16882.1	6572.7	2329.4	1328.8	955.2	801.5	736.9	705.5	703.7
60°	21981.0	25129.4	17987.5	5107.6	1667.6	1016.3	789.3	715.9	665.3	644.3	642.6
62.5°	26496.7	28632.2	18675.5	3478.4	1253.8	810.2	695.0	649.6	619.9	607.7	605.9
65°	31138.0	30846.4	18347.2	2278.8	951.7	688.0	623.4	598.9	572.7	560.5	560.5
67.5°	33879.5	30378.4	15827.5	1582.0	754.4	604.2	562.3	539.6	495.9	485.4	485.4
70°	30008.2	24616.0	10374.1	1157.7	611.2	529.1	488.9	457.5	440.0	429.6	427.8
72.5°	19847.2	16017.8	5516.2	803.2	509.9	450.5	413.8	401.6	380.7	370.2	368.4
75°	9878.2	8413.1	2827.1	579.7	424.3	361.5	345.7	340.5	323.0	309.1	305.6
77.5°	4117.5	3745.6	1318.4	420.8	323.0	291.6	277.6	277.6	258.4	242.7	235.7
80°	1552.4	1383.0	623.4	288.1	239.2	216.5	207.8	200.8	185.1	165.9	155.4
82.5°	2076.2	1356.8	305.6	179.9	157.2	139.7	127.5	122.2	113.5	104.8	97.8
85°	1344.6	963.9	137.9	92.5	78.6	59.4	52.4	48.9	43.7	38.4	34.9
87.5°	274.2	323.0	41.9	17.5	10.5	5.2	5.2	1.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)